

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference Ca1 89102	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/EP2005/000111	International filing date (day/month/year) 06/01/2005	(Earliest) Priority Date (day/month/year) 13/01/2004
Applicant  DRESSER ITALIA S.R.L.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

international application No.

PCT/EP2005/000111

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Submarine actuator for the actuation of a submarine device comprises a container body(2), from which a drive shaft(4) projects that is suitable for inserting in a seat of said submarine device, which through its rotation actuates said submarine device. Said shaft is moved by an electric motor(21,22) arranged inside said container body and actuated by an electric control signal generated by a remote station.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/000111

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16K31/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16K E21B H02K B63C B63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/011580 A1 (JOHANSEN JOHN A ET AL) 31 January 2002 (2002-01-31)	1-4, 6-9
Y	column 5, line 28 - column 7, line 60; figures	5
Y	GB 2 198 766 A (* K E INTERNATIONAL LIMITED) 22 June 1988 (1988-06-22) figure 6	5
X	US 5 447 078 A (ROBINSON, JR. ET AL) 5 September 1995 (1995-09-05) figures 1,2	1
X	US 3 324 875 A (ANDERSON CLIFFORD E) 13 June 1967 (1967-06-13) figure 1	1
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

28 April 2005

Date of mailing of the international search report

13/05/2005

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/000111

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 166 677 A (SCHOENBERG ET AL) 24 November 1992 (1992-11-24) figures 1,2 -----	1

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International Application No  
PCT/EP2005/000111

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2002011580	A1	31-01-2002	NO	20002528 A	19-11-2001
			GB	2364396 A , B	23-01-2002
GB 2198766	A	22-06-1988	NONE		
US 5447078	A	05-09-1995	CA	2132050 A1	18-03-1995
US 3324875	A	13-06-1967	US	3335740 A	15-08-1967
			AT	266529 B	25-11-1968
			DE	1475903 B1	25-06-1970
			GB	1085547 A	04-10-1967
			NL	6505789 A	08-11-1965
US 5166677	A	24-11-1992	NONE		